

## EAST Search History

## EAST Search History (Prior Art)

| Ref # | Hits  | Search Query  | DBs                | Default Operator | Plurals | Time Stamp          |
|-------|-------|---|--------------------|------------------|---------|---------------------|
| S1    | 1     | ("6895235").PN.   | US-PGPUB;<br>USPAT | OR               | OFF     | 2008/06/06<br>12:19 |
| S2    | 0     | "2002183039"  | US-PGPUB;<br>USPAT | OR               | ON      | 2008/06/06<br>12:23 |
| S3    | 1     | "20020183039"   | US-PGPUB;<br>USPAT | OR               | ON      | 2008/06/06<br>12:23 |
| S4    | 0     | "2003139178"  | US-PGPUB;<br>USPAT | OR               | ON      | 2008/06/06<br>12:27 |
| S5    | 1     | "20030139178"   | US-PGPUB;<br>USPAT | OR               | ON      | 2008/06/06<br>12:27 |
| S6    | 0     | "20010295550"   | US-PGPUB;<br>USPAT | OR               | ON      | 2008/06/06<br>12:31 |
| S7    | 0     | "2001295550"  | US-PGPUB;<br>USPAT | OR               | ON      | 2008/06/06<br>12:32 |
| S8    | 0     | "20010295550"   | US-PGPUB;<br>USPAT | OR               | ON      | 2008/06/06<br>12:32 |
| S9    | 1     | "7120446"   | US-PGPUB;<br>USPAT | OR               | ON      | 2008/06/06<br>12:34 |
| S10   | 2     | "20020102986"   | US-PGPUB;<br>USPAT | OR               | ON      | 2008/06/06<br>12:35 |
| S11   | 11221 | transmi\$4 same<br>predetermined same tim\$4<br>and "370"/\$.ccls. and<br>@ad<="20041206"                 | US-PGPUB;<br>USPAT | OR               | ON      | 2008/06/06<br>14:07 |
| S12   | 4035  | transmi\$4 same<br>predetermined adj tim\$4 and<br>"370"/\$.ccls. and<br>@ad<="20041206"                  | US-PGPUB;<br>USPAT | OR               | ON      | 2008/06/06<br>14:08 |
| S13   | 117   | transmi\$4 same<br>predetermined adj tim\$4 and<br>"370"/331.ccls. and<br>@ad<="20041206"                 | US-PGPUB;<br>USPAT | OR               | ON      | 2008/06/06<br>14:08 |
| S14   | 260   | transmi\$4 same packet<br>\$1same predetermined adj<br>tim\$4 and "370"/331.ccls.<br>and @ad<="20041206"  | US-PGPUB;<br>USPAT | OR               | ON      | 2008/06/06<br>14:08 |
| S15   | 31    | transmi\$4 same packet\$1<br>same predetermined adj tim<br>\$4 and "370"/331.ccls. and<br>@ad<="20041206" | US-PGPUB;<br>USPAT | OR               | ON      | 2008/06/06<br>14:09 |

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| S16 | 380  | encod\$4 same downlink<br>same signal and "370"/\$.<br>ccls. and @ad<="20041206"                                | US-PGPUB;<br>USPAT | OR | ON | 2008/06/06<br>14:46 |
| S17 | 79   | encod\$4 same downlink adj<br>signal\$1 and "370"/\$.ccls.<br>and @ad<="20041206"                               | US-PGPUB;<br>USPAT | OR | ON | 2008/06/06<br>14:47 |
| S18 | 79   | encod\$4 same (downlink adj<br>signal\$1) and "370"/\$.ccls.<br>and @ad<="20041206"                             | US-PGPUB;<br>USPAT | OR | ON | 2008/06/06<br>14:47 |
| S19 | 11   | encod\$4 same coding same<br>(downlink adj signal\$1) and<br>"370"/\$.ccls. and<br>@ad<="20041206"              | US-PGPUB;<br>USPAT | OR | ON | 2008/06/06<br>14:47 |
| S20 | 59   | predetermined adj tim\$4<br>same frame adj number and<br>"370"/\$.ccls. and<br>@ad<="20041206"                  | US-PGPUB;<br>USPAT | OR | ON | 2008/06/06<br>15:02 |
| S21 | 500  | predetermined adj tim\$4<br>same frame same (number<br>or header) and "370"/\$.ccls.<br>and @ad<="20041206"     | US-PGPUB;<br>USPAT | OR | ON | 2008/06/06<br>15:05 |
| S22 | 107  | predetermined adj tim\$4<br>same (frame near (number<br>or header)) and "370"/\$.ccls.<br>and @ad<="20041206"   | US-PGPUB;<br>USPAT | OR | ON | 2008/06/06<br>15:05 |
| S23 | 339  | (encoder and decoder) same<br>(uplink and downlink)   | US-PGPUB;<br>USPAT | OR | ON | 2008/06/06<br>16:53 |
| S24 | 128  | (encoder and decoder) same<br>(uplink and downlink) and<br>"370"/\$.ccls.                                       | US-PGPUB;<br>USPAT | OR | ON | 2008/06/06<br>16:53 |
| S25 | 57   | (encoder and decoder) same<br>(uplink and downlink) and<br>"370"/\$.ccls. and<br>@ad<="20040319"                | US-PGPUB;<br>USPAT | OR | ON | 2008/06/06<br>16:53 |
| S26 | 35   | (encoder and decoder) same<br>(uplink and downlink) same<br>signal\$1 and "370"/\$.ccls.<br>and @ad<="20040319" | US-PGPUB;<br>USPAT | OR | ON | 2008/06/06<br>16:54 |
| S27 | 2484 | 370/331.ccls.   | US-PGPUB;<br>USPAT | OR | ON | 2008/06/06<br>17:09 |
| S28 | 0    | S27 and (timing adj<br>information) same (frame<br>adj header)  | US-PGPUB;<br>USPAT | OR | ON | 2008/06/06<br>17:12 |
| S29 | 19   | (timing adj information)<br>same (frame adj header)   | US-PGPUB;<br>USPAT | OR | ON | 2008/06/06<br>17:12 |
| S30 | 1    | "10593513"  | US-PGPUB;<br>USPAT | OR | ON | 2008/06/08<br>17:48 |
| S31 | 1    | "20020183039"   | US-PGPUB;<br>USPAT | OR | ON | 2008/06/08<br>17:56 |

|     |         |  |                              |    |    |                     |
|-----|---------|--|------------------------------|----|----|---------------------|
| S32 | 110     | packet adj data same<br>transmit\$4 same time same<br>frame same header  | US-PGPUB;<br>USPAT           | OR | ON | 2008/06/08<br>18:13 |
| S33 | 110     | (packet adj data) same<br>transmit\$4 same time same<br>frame same header  | US-PGPUB;<br>USPAT           | OR | ON | 2008/06/08<br>18:13 |
| S34 | 4998726 | (packet adj data) same<br>transmit\$4 same time same<br>frame same header<br>@ad<="20041206"                                     | US-PGPUB;<br>USPAT           | OR | ON | 2008/06/08<br>18:13 |
| S35 | 87      | (packet adj data) same<br>transmit\$4 same time same<br>frame same header and<br>@ad<="20041206"                                 | US-PGPUB;<br>USPAT           | OR | ON | 2008/06/08<br>18:13 |
| S36 | 3       | (packet adj data) same<br>transmit\$4 same<br>predetermined adj time<br>same frame same header<br>and @ad<="20041206"            | US-PGPUB;<br>USPAT           | OR | ON | 2008/06/08<br>18:15 |
| S37 | 5217    | 455/436-443.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/02/20<br>14:31 |
| S38 | 1488    | S37 and (combin\$4) and<br>@ad<="20040319"   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/02/20<br>14:34 |
| S39 | 54      | S37 and (combin\$4 same<br>buffer) and<br>@ad<="20040319"  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/02/20<br>14:34 |
| S41 | 2       | S37 and ((combin\$4<br>diversity) same buffer same<br>available) and<br>@ad<="20040319"  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/02/20<br>14:51 |
| S42 | 12      | S37 and ((combin\$4<br>diversity) same (queue<br>buffer) same (priority<br>available congestion traffic))<br>and @ad<="20040319" | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/02/20<br>15:43 |
| S43 | 2       | "20030148765"  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/02/20<br>16:14 |
| S44 | 3635    | 370/328.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/02/20<br>16:48 |
| S45 | 33      | S44 and ((combin\$4<br>diversity) same buffer) and<br>@ad<="20040319"  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/02/20<br>16:48 |
| S46 | 10293   | 370/229-238.1.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/02/20<br>16:59 |

|     |      |   |                        |    |    |                  |
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| S47 | 318  | S46 and ((combin\$4 diversity) same buffer) and @ad<="20040319"   | US-PGPUB; USPAT; USOCR | OR | ON | 2009/02/20 16:59 |
| S48 | 2    | S46 and ((combin\$4 diversity) same (handoff handover) same buffer) and @ad<="20040319"                         | US-PGPUB; USPAT; USOCR | OR | ON | 2009/02/20 17:00 |
| S49 | 20   | S46 and ((combin\$4 diversity) same (handoff hand-off handover hand-over hand) same buffer) and @ad<="20040319" | US-PGPUB; USPAT; USOCR | OR | ON | 2009/02/20 17:01 |
| S50 | 1    | "7161909".pn.   | US-PGPUB; USPAT; USOCR | OR | ON | 2009/02/20 17:24 |
| S51 | 1279 | 455/442-443.ccls.   | US-PGPUB; USPAT; USOCR | OR | ON | 2009/02/24 15:18 |
| S52 | 2917 | 370/331.ccls.   | US-PGPUB; USPAT; USOCR | OR | ON | 2009/02/24 15:19 |
| S53 | 835  | (S51 S52) and (queue buffer)  | US-PGPUB; USPAT; USOCR | OR | ON | 2009/02/24 15:19 |
| S54 | 470  | (S51 S52) and (queue buffer) and @ad<="20040319"  | US-PGPUB; USPAT; USOCR | OR | ON | 2009/02/24 15:19 |
| S55 | 340  | (S51 S52) and (queue buffer) and (priority diversity combin\$4) and @ad<="20040319"                             | US-PGPUB; USPAT; USOCR | OR | ON | 2009/02/24 15:20 |
| S56 | 122  | (S51 S52) and (queue buffer) same (priority diversity combin\$4) and @ad<="20040319"                            | US-PGPUB; USPAT; USOCR | OR | ON | 2009/02/24 15:20 |
| S57 | 57   | (S51 S52) and ((queue buffer) same (priority diversity combin\$4) same process\$4) and @ad<="20040319"          | US-PGPUB; USPAT; USOCR | OR | ON | 2009/02/24 15:21 |
| S58 | 1    | "10593513"  | US-PGPUB; USPAT; USOCR | OR | ON | 2009/02/24 15:25 |
| S59 | 3092 | 370/235.ccls.   | US-PGPUB; USPAT; USOCR | OR | ON | 2009/02/24 15:31 |
| S60 | 305  | (S59) and ((queue buffer) same (priority diversity combin\$4) same process\$4) and @ad<="20040319"              | US-PGPUB; USPAT; USOCR | OR | ON | 2009/02/24 15:32 |

|     |     |  |                        |    |    |                  |
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| S61 | 270 | (S59) and ((queue buffer) same (priority) same process \$4) and @ad<="20040319"  | US-PGPUB; USPAT; USOCR | OR | ON | 2009/02/24 15:32 |
| S62 | 62  | (S59) and ((queue buffer) same (handover handoff hand) same process\$4) and @ad<="20040319"  | US-PGPUB; USPAT; USOCR | OR | ON | 2009/02/24 15:32 |
| S63 | 4   | (S59) and ((queue buffer) same (handover handoff) same process\$4) and @ad<="20040319"   | US-PGPUB; USPAT; USOCR | OR | ON | 2009/02/24 15:33 |
| S64 | 6   | (S59) and ((queue buffer) same (handover handoff (hand near off) (hand near over)) same process\$4) and @ad<="20040319"            | US-PGPUB; USPAT; USOCR | OR | ON | 2009/02/24 15:34 |
| S65 | 2   | (S59) and ((queue buffer) same (handover handoff (hand near off) (hand near over)) same (predetermined fixed)) and @ad<="20040319" | US-PGPUB; USPAT; USOCR | OR | ON | 2009/02/24 18:07 |
| S66 | 72  | (S59) and ((queue buffer) same (priority) same (predetermined fixed) same tim\$4) and @ad<="20040319"                              | US-PGPUB; USPAT; USOCR | OR | ON | 2009/02/24 18:08 |
| S67 | 11  | (S59) and ((queue buffer) same (priority) same (predetermined fixed) near tim\$4) and @ad<="20040319"                              | US-PGPUB; USPAT; USOCR | OR | ON | 2009/02/24 18:08 |
| S68 | 13  | (S59) and ((priority importan \$4) same transmi\$4 same (predetermined fixed) near tim\$4) and @ad<="20040319"                     | US-PGPUB; USPAT; USOCR | OR | ON | 2009/02/24 18:14 |
| S69 | 45  | (S59) and ((handover handoff (hand near off) (hand near over)) and (encod \$4 decod\$4)) and @ad<="20040319"                       | US-PGPUB; USPAT; USOCR | OR | ON | 2009/02/24 18:49 |
| S70 | 23  | (S59) and ((handover handoff (hand near off) (hand near over)) and (encod \$4 and decod\$4)) and @ad<="20040319"                   | US-PGPUB; USPAT; USOCR | OR | ON | 2009/02/24 18:50 |

|     |      |  |                              |    |    |                     |
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| S71 | 270  | ((S51 S52 S59) and ((handover handoff (hand near off) (hand near over)) and (encod\$4 and decod\$4) and (predetermined regular)) and @ad<="20040319" | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/02/24<br>18:52 |
| S72 | 11   | ((S51 S52 S59) and ((encod\$4 and decod\$4) and (priority importan\$4) same (predetermined regular fixed) near tim\$4) and @ad<="20040319"           | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/02/24<br>18:53 |
| S73 | 2    | "20010031634"  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/02/24<br>19:05 |
| S74 | 223  | ((S51 S52 S59) and (tim\$4 same frame near (number bit)) and @ad<="20040319"   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/02/24<br>19:11 |
| S75 | 190  | ((S51 S52 S59) and (tim\$4 same frame near (number)) and @ad<="20040319"   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/02/24<br>19:12 |
| S76 | 16   | ((S51 S52 S59) and (tim\$4 near frame near (number)) and @ad<="20040319"   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/02/24<br>19:12 |
| S77 | 1279 | 455/442-443.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/02/25<br>12:41 |
| S78 | 2917 | 370/331.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/02/25<br>12:41 |
| S79 | 3092 | 370/235.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/02/25<br>12:41 |
| S80 | 0    | ((S77 S78 S79) and (tim\$4 near (determin\$4 specif\$4) near frame near (number)) and @ad<="20040319"  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/02/25<br>12:41 |
| S81 | 40   | ("370"/\$.ccls. or "455"/\$.ccls.) and (tim\$4 near (determin\$4 specif\$4) near frame near (number)) and @ad<="20040319"                            | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/02/25<br>12:42 |
| S82 | 0    | ("370"/\$.ccls. or "455"/\$.ccls.) and (tim\$4 near (determin\$4 specif\$4) near frame near (number) same controller) and @ad<="20040319"            | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/02/25<br>12:47 |

|     |      |  |                              |    |    |                     |
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| S83 | 5536 | 455/436-443.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/07/28<br>17:08 |
| S84 | 64   | S83 and ((combin\$4<br>diversity) same buffer) and<br>@ad<="20040319"  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/07/28<br>17:08 |
| S85 | 1330 | ("370"/\$.ccls. or "455"/\$.<br>ccls.) and (diversity soft)<br>same (handover handoff<br>hand-over hand-off hand)<br>same (combin\$5) and<br>@ad<="20040319"                             | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/07/28<br>17:28 |
| S86 | 1058 | ("370"/\$.ccls. or "455"/\$.<br>ccls.) and (diversity soft)<br>near (handover handoff<br>hand-over hand-off hand)<br>same (combin\$5) and<br>@ad<="20040319"                             | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/07/28<br>17:29 |
| S87 | 1032 | ("370"/\$.ccls. or "455"/\$.<br>ccls.) and (diversity soft)<br>near (handover handoff<br>hand-over hand-off ) same<br>(combin\$5) and<br>@ad<="20040319"                                 | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/07/28<br>17:29 |
| S88 | 1575 | ("370"/\$.ccls. or "455"/\$.<br>ccls.) and (diversity soft)<br>near (handover handoff<br>hand-over hand-off ) same<br>(time timing) and<br>@ad<="20040319"                               | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/07/28<br>17:30 |
| S89 | 622  | ("370"/\$.ccls. or "455"/\$.<br>ccls.) and (diversity soft)<br>near (handover handoff<br>hand-over hand-off ) near8<br>(time timing) and<br>@ad<="20040319"                              | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/07/28<br>17:30 |
| S90 | 285  | ("370"/\$.ccls. or "455"/\$.<br>ccls.) and (diversity soft)<br>near (handover handoff<br>hand-over hand-off ) near8<br>(time timing) same signal\$4<br>and @ad<="20040319"               | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/07/28<br>17:31 |
| S91 | 380  | ("370"/\$.ccls. or "455"/\$.<br>ccls.) and (diversity soft)<br>near (handover handoff<br>hand-over hand-off ) same<br>"same" same (time timing)<br>same signal\$4 and<br>@ad<="20040319" | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/07/28<br>17:31 |

|     |     |   |                        |    |    |                  |
|-----|-----|---|------------------------|----|----|------------------|
| S92 | 197 | ("370"/\$.ccls. or "455"/\$.ccls.) and (diversity soft) near (handover handoff hand-over hand-off ) same "same" near (time timing) same signal\$4 and @ad<="20040319"                                       | US-PGPUB; USPAT; USOCR | OR | ON | 2009/07/28 17:31 |
| S93 | 1   | "10593513"  | US-PGPUB; USPAT; USOCR | OR | ON | 2009/07/29 10:47 |
| S94 | 256 | ("370"/\$.ccls. or "455"/\$.ccls.) and (diversity soft) near (handover handoff hand-over hand-off ) same "same" near (time timing) same (data bit signal\$4) and @ad<="20040319"                            | US-PGPUB; USPAT; USOCR | OR | ON | 2009/07/29 10:55 |
| S95 | 186 | ("370"/328-338.ccls. or "455"/432.1-443.ccls.) and (diversity soft) near (handover handoff hand-over hand-off ) same "same" near (time timing) same (data bit signal\$4) and @ad<="20040319"                | US-PGPUB; USPAT; USOCR | OR | ON | 2009/07/29 10:57 |
| S96 | 63  | ("370"/328-338.ccls. or "455"/432.1-443.ccls.) and (diversity soft) near (handover handoff hand-over hand-off ) same "same" near (time timing) same (data bit signal\$4) same combin\$4 and @ad<="20040319" | US-PGPUB; USPAT; USOCR | OR | ON | 2009/07/29 10:59 |

7/ 29/ 2009 4:23:50 PM

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